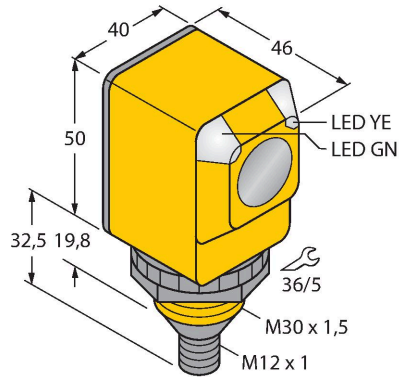


Q406EQ2

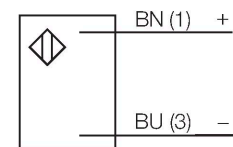
Photoelectric Sensor – Opposed Mode Sensor (Emitter)



Features

- M12 × 1 Micro male connector (AC), 4-pin
- Protection classes IP67/IP69K
- Ambient temperature: -40 °C...+70 °C
- Operating voltage: 10...30 VDC

Wiring diagram



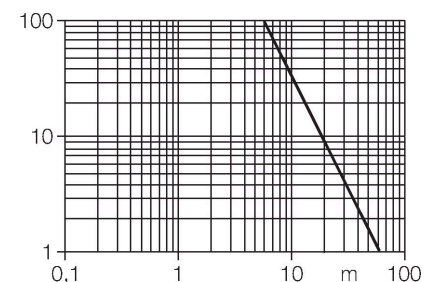
Technical data

Type	Q406EQ2
ID	3036308
Optical data	
Function	Opposed mode sensor
Operating mode	Emitter
Light type	IR
Wavelength	950 nm
Range	0...60000 mm
Electrical data	
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
Mechanical data	
Design	Rectangular, Q40
Dimensions	46 x 40.1 x 82.5 mm
Housing material	Plastic, PBT
Lens	plastic, Lexan
Electrical connection	Connector, M12 × 1
Number of cores	2
Ambient temperature	-40...+70 °C
Protection class	IP67 IP69K
Special features	Wash down
Power-on indication	LED, Green
Tests/approvals	
Approvals	CE, UL, CSA

Functional principle

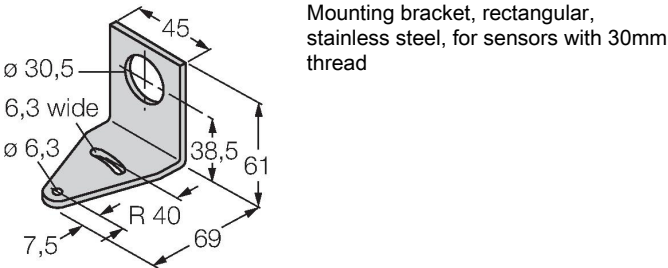
Opposed mode sensors consist of an emitter and receiver. They are installed opposite to each other so that the light from the emitter is aimed directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. Opposed mode sensors are the most reliable photoelectric sensors for detection of opaque targets. The excellent light/dark contrast and the high excess gain allow operation over larger distances and under difficult conditions.

Excess gain curve
Excess gain in relation to the distance

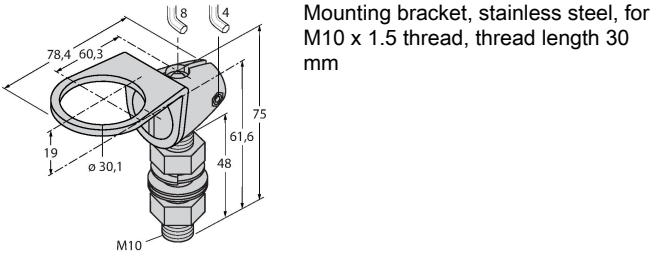


Accessories

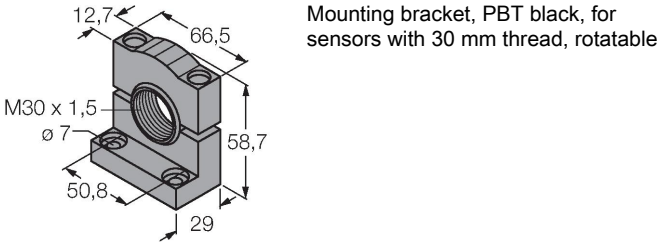
SMB30A 3032723



SMB30FAM10 3011185



SMB30SC 3052521



SMBAMS30P 3073135

